

FILE 'HOME' ENTERED AT 16:08:05 ON 08 AUG 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:08:14 ON 08 AUG 2006

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STRUCTURE FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

DICTIONARY FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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experimental property data in the original document. For information  
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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading c:\program files\stnexp\queries\10672052sotwofluorinated.str

L1 STRUCTURE UPLOADED

=>

Uploading c:\program files\stnexp\queries\10627052cyano.str

L2 STRUCTURE UPLOADED

=>

Uploading c:\program files\stnexp\queries\10672052carboxylate.str

L3 STRUCTURE UPLOADED

=>

Uploading c:\program files\stnexp\queries\10672052sotwoalkyl.str

L4 STRUCTURE UPLOADED

=> s l1 sss full

FULL SEARCH INITIATED 16:10:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L1

=> s l2 sss full

FULL SEARCH INITIATED 16:10:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 21 TO ITERATE

100.0% PROCESSED 21 ITERATIONS

14 ANSWERS

SEARCH TIME: 00.00.01

L6 14 SEA SSS FUL L2

=> s l3 sss full

\$%^STN;HighlightOn= \*\*\*;HighlightOff=\*\*\* ;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal756mja

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 5 MAY 10 CA/CAPplus enhanced with 1900-1906 U.S. patent records  
NEWS 6 MAY 11 KOREAPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPplus and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPplus  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:48:15 ON 08 AUG 2006

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:48:28 ON 08 AUG 2006

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FILE COVERS 1907 - 8 Aug 2006 VOL 145 ISS 7  
FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

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=> s us 2004-0121262/pn  
L1 1 US 2004-0121262/PN  
(US2004121262/PN)

=> s us 2004-00049222/pn  
L2 0 US 2004-00049222/PN  
(US2004049222/PN)

=> s us 2004-0004922/pn  
L3 3 US 2004-0004922/PN  
(US2004004922/PN)

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.77	6.98

FILE 'REGISTRY' ENTERED AT 15:49:24 ON 08 AUG 2006  
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DICTIONARY FILE UPDATES: 7 AUG 2006 HIGHEST RN 899508-12-4

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> tra rn l1  
L4 TRANSFER L1 1- RN : 19 TERMS  
L5 19 L4

=> d scan

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Phenothiazin-5-ium (8CI, 9CI)  
MF C12 H8 N S  
CI COM, RPS

/ Structure 1 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 2-Butanone, 3-methyl- (8CI, 9CI)  
MF C5 H10 O  
CI COM

/ Structure 2 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Iodine (8CI, 9CI)  
MF I2  
CI COM

/ Structure 3 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 3H-Indolium, 1,2,3,3-tetramethyl-5-nitro-, perchlorate (9CI)  
MF C12 H15 N2 O2 . Cl O4  
  
CM 1

/ Structure 4 in file .gra /

CM 2

/ Structure 5 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 3H-Indolium, 2-[2-[2-[2-[4-(dimethylamino)phenyl]ethenyl]-4-oxo-4H-1-benzopyran-3-yl]ethenyl]-1,3,3-trimethyl-5-nitro-, perchlorate (9CI)  
MF C32 H30 N3 O4 . Cl O4  
  
CM 1

/ Structure 6 in file .gra /

CM 2

/ Structure 7 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Propanedinitrile, [7-(dimethylamino)-3H-phenothiazin-3-ylidene]- (9CI)  
MF C17 H12 N4 S

/ Structure 8 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 2,5-Furandione, 3,4-bis(9-anthracenylmethylene)dihydro- (9CI)  
MF C34 H20 O3

/ Structure 9 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Spiro[2H-1-benzopyran-2,2'-[2H]indole], 1',3'-dihydro-3',3'-dimethyl-6,8-  
dinitro-1'-pentyl- (9CI)  
MF C23 H25 N3 O5

/ Structure 10 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 10H-Phenothiazine (9CI)  
MF C12 H9 N S  
CI COM

/ Structure 11 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Methanamine, N-methyl- (9CI)  
MF C2 H7 N  
CI COM

/ Structure 12 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Hydrazine, (4-methylphenyl)- (9CI)  
MF C7 H10 N2  
CI COM

/ Structure 13 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 3H-Indole, 2,3,3-trimethyl-5-nitro- (7CI, 8CI, 9CI)  
MF C11 H12 N2 O2  
CI COM

/ Structure 14 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Spiro[2H-1-benzopyran-2,2'-[2H]indole], 1',3'-dihydro-3',3'-dimethyl-6,8-  
dinitro-1'-phenyl- (9CI)  
MF C24 H19 N3 O5

/ Structure 15 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Benzo[a][1,4]benzothiazino[3,2-c]phenothiazine-6,9-dione, 5,10-dihydro-  
(9CI)  
MF C22 H12 N2 O2 S2

/ Structure 16 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN Iodide (I31-), salt with N,N-dimethyl-10H-phenothiazin-3-amine (1:1) (9CI)  
MF C14 H14 N2 S . I3  
  
CM 1

/ Structure 17 in file .gra /

CM 2

/ Structure 18 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L5 19 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 1,3-Dioxane-4,6-dione, 5-[7-(dimethylamino)-3H-phenothiazin-3-ylidene]-2,2-  
dimethyl- (9CI)

MF C20 H18 N2 O4 S

/ Structure 19 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):o  
'O' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".  
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):none

=> d his

(FILE 'HOME' ENTERED AT 15:48:15 ON 08 AUG 2006)

FILE 'CAPLUS' ENTERED AT 15:48:28 ON 08 AUG 2006

L1 1 S US 2004-0121262/PN  
L2 0 S US 2004-00049222/PN  
L3 3 S US 2004-0004922/PN

FILE 'REGISTRY' ENTERED AT 15:49:24 ON 08 AUG 2006

FILE 'CAPLUS' ENTERED AT 15:49:31 ON 08 AUG 2006

L4 TRA L1 1- RN : 19 TERMS

FILE 'REGISTRY' ENTERED AT 15:49:31 ON 08 AUG 2006

L5 19 SEA L4

=> s l5 and phenothiazin?

36674 PHENOTHIAZIN?

L6 6 L5 AND PHENOTHIAZIN?

=> d scan

L6 6 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*Phenothiazin-5-ium (8CI, 9CI)\*\*\*  
MF C12 H8 N S  
CI COM, RPS

/ Structure 20 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L6 6 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*Benzo[a][1,4]benzothiazino[3,2-c]phenothiazine-6,9-dione,\*\*\*  
\*\*\* 5,10-dihydro- (9CI)\*\*\*  
MF C22 H12 N2 O2 S2

/ Structure 21 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L6 6 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*Iodide (I31-), salt with N,N-dimethyl-10H-phenothiazin-3-amine (1:1)\*\*\*  
\*\*\* (9CI)\*\*\*  
MF C14 H14 N2 S . I3

CM 1

/ Structure 22 in file .gra /

CM 2

/ Structure 23 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L6 6 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*Propanedinitrile, [7-(dimethylamino)-3H-phenothiazin-3-ylidene]-\*\*\*  
\*\*\* (9CI)\*\*\*  
MF C17 H12 N4 S

/ Structure 24 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L6 6 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*1,3-Dioxane-4,6-dione, 5-[7-(dimethylamino)-3H-phenothiazin-3-\*\*\*  
\*\*\* ylidene]-2,2-dimethyl- (9CI)\*\*\*  
MF C20 H18 N2 O4 S

/ Structure 25 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L6 6 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*10H-Phenothiazine (9CI)\*\*\*  
MF C12 H9 N S  
CI COM

/ Structure 26 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> d his

(FILE 'HOME' ENTERED AT 15:48:15 ON 08 AUG 2006)

FILE 'CAPLUS' ENTERED AT 15:48:28 ON 08 AUG 2006

L1 1 S US 2004-0121262/PN  
L2 0 S US 2004-00049222/PN  
L3 3 S US 2004-0004922/PN

FILE 'REGISTRY' ENTERED AT 15:49:24 ON 08 AUG 2006

FILE 'CAPLUS' ENTERED AT 15:49:31 ON 08 AUG 2006

L4 TRA L1 1- RN : 19 TERMS

FILE 'REGISTRY' ENTERED AT 15:49:31 ON 08 AUG 2006

L5 19 SEA L4



L6 6 S L5 AND PHENOTHIAZIN?  
=> tra rn l3  
L7 TRANSFER L3 1- RN : 47 TERMS  
L8 47 L7  
=> s l8 and phenothiazin?  
36674 PHENOTHIAZIN?  
L9 5 L8 AND PHENOTHIAZIN?  
=> s l9 or l6  
L10 10 L9 OR L6  
=> d scan  
L10 10 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN \*\*\*10H-Phenothiazine-3,7-diamine, N,N,N',N'-tetrapropyl- (9CI)\*\*\*  
MF C24 H35 N3 S

/ Structure 27 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):none

=> s l10 and (dinitrile or propanedinitrile or dioxane)  
42820 DINITRILE  
1 DINITRILES  
42820 DINITRILE  
(DINITRILE OR DINITRILES)  
34556 PROPANEDINITRILE  
38369 DIOXANE  
L11 2 L10 AND (DINITRILE OR PROPANEDINITRILE OR DIOXANE)

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 20.80 57.36

FILE 'CAPLUS' ENTERED AT 15:54:03 ON 08 AUG 2006  
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FILE COVERS 1907 - 8 Aug 2006 VOL 145 ISS 7  
FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

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=> s l11  
L12 1 L11

=> d all

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:1007251 CAPLUS <<LOGINID::20060808>>  
 DN 140:50342  
 ED Entered STN: 26 Dec 2003  
 TI Materials for optical medium copy-protection transiently reacting to a  
 reader beam of optical disk  
 IN Selinfreund, Richard H.; Gerber, Scott; Goyette, Donald R.; Colandreo,  
 Michael; Vig, Rakesh; Li, Junzhong; Cook, Ewell; Turner, Tomeko  
 PA Verification Technologies, Inc., USA  
 SO PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM G11B007-00  
 ICS B29D011-00  
 CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other  
 Reprographic Processes)  
 Section cross-reference(s): 41  
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003107331	A1	20031224	WO 2003-US11975	20030417
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2489439	AA	20031224	CA 2003-2489439	20030417
	AU 2003225045	A1	20031231	AU 2003-225045	20030417
	BR 2003011927	A	20050405	BR 2003-11927	20030417
	EP 1532623	A1	20050525	EP 2003-721750	20030417
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	JP 2005530285	T2	20051006	JP 2004-514063	20030417
	CA 2503684	AA	20040408	CA 2003-2503684	20030926
	WO 2004029672	A2	20040408	WO 2003-US30897	20030926
	WO 2004029672	A3	20050127		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2003275316	A1	20040419	AU 2003-275316	20030926
	US 2004121262	A1	20040624	US 2003-672052	20030926
	EP 1551817	A2	20050713	EP 2003-759592	20030926
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	CN 1774427	A	20060517	CN 2003-825305	20030926
PRAI	US 2002-389223P	P	20020617		
	US 2002-390647P	P	20020621		
	US 2002-391773P	P	20020625		
	US 2002-391857P	P	20020626		
	US 2002-393397P	P	20020702		
	US 2002-413934P	P	20020926		
	WO 2003-US11975	W	20030417		
	WO 2003-US30897	W	20030926		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2003107331	ICM	G11B007-00
	ICS	B29D011-00
	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00

		[I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
CA 2489439	ECLA	G11B007/007R; G11B007/013D; G11B007/243
	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
AU 2003225045	ECLA	G11B007/007R; G11B007/013D; G11B007/243
	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
BR 2003011927	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
EP 1532623	ECLA	G11B007/007R; G11B007/013D; G11B007/243
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JP 2005530285	ECLA	G11B007/007R; G11B007/013D; G11B007/243
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	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
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CA 2503684	IPCI	C07D0279-18 [ICM,7]; C07D0279-00 [ICM,7,C*]; G11B0007-24 [ICS,7]
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	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G02B [I,S]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
US 2004121262	IPCI	G11B0007-24 [ICM,7]; C07D0279-18 [ICS,7]; C07D0279-00 [ICS,7,C*]
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	NCL	430/270.150
EP 1551817	IPCI	C07D0279-18 [ICM,7]; C07D0279-00 [ICM,7,C*]; G11B0007-24 [ICS,7]
	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G02B [I,S]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
CN 1774427	IPCI	C07D0279-18 [I,A]; C07D0279-00 [I,C*]; G11B0007-24 [I,A]
AB	The invention relates to a method and system for providing copy-protected optical medium using transient optical state change security materials capable of changing optical state and software code to detect such change in optical state. The material protects stored information from copied by a conventional optical medium reader.	

ST optical copy protection reader disk  
 IT Optical disks  
     (copy-protected; materials for optical medium copy-protection  
     transiently reacting to a reader beam of optical disk)  
 IT Dyes  
     (materials for optical medium copy-protection transiently reacting to a  
     reader beam of optical disk)  
 IT 74-88-4, Methyl iodide, reactions 92-84-2, Phenothiazine 124-40-3,  
 Dimethylamine, reactions 539-44-6 563-80-4 7553-56-2, Iodine,  
 reactions  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
     (copy protection dye of materials for optical medium)  
 IT 109-77-3P, Malononitrile 261-89-2DP, Phenothiazin-5-ium, tetraiodide  
 salt 3484-22-8P 636602-79-4P \*\*\*636602-80-7P\*\*\*  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
     (copy protection dye of materials for optical medium)  
 IT 86879-79-0P  
 RL: SPN (Synthetic preparation); TEM (Technical or engineered material  
 use); PREP (Preparation); USES (Uses)  
     (copy protection dye of materials for optical medium)  
 IT 23168-55-0 96692-25-0 144280-08-0 \*\*\*636602-81-8\*\*\* 636602-82-9  
 636602-83-0 636602-84-1  
 RL: TEM (Technical or engineered material use); USES (Uses)  
     (copy protection dye of materials for optical medium)  
 RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE  
 (1) Smith; US 5815484 A 1998

=> d his

(FILE 'HOME' ENTERED AT 15:48:15 ON 08 AUG 2006)

FILE 'CAPLUS' ENTERED AT 15:48:28 ON 08 AUG 2006

L1 1 S US 2004-0121262/PN  
 L2 0 S US 2004-00049222/PN  
 L3 3 S US 2004-0004922/PN

FILE 'REGISTRY' ENTERED AT 15:49:24 ON 08 AUG 2006

FILE 'CAPLUS' ENTERED AT 15:49:31 ON 08 AUG 2006

L4 TRA L1 1- RN : 19 TERMS

FILE 'REGISTRY' ENTERED AT 15:49:31 ON 08 AUG 2006

L5 19 SEA L4  
 L6 6 S L5 AND PHENOTHIAZIN?

FILE 'CAPLUS' ENTERED AT 15:51:52 ON 08 AUG 2006

L7 TRA L3 1- RN : 47 TERMS

FILE 'REGISTRY' ENTERED AT 15:51:53 ON 08 AUG 2006

L8 47 SEA L7  
 L9 5 S L8 AND PHENOTHIAZIN?  
 L10 10 S L9 OR L6  
 L11 2 S L10 AND (DINITRILE OR PROPANEDINITRILE OR DIOXANE)

FILE 'CAPLUS' ENTERED AT 15:54:03 ON 08 AUG 2006

L12 1 S L11

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.53	60.89
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

STN INTERNATIONAL LOGOFF AT 15:54:23 ON 08 AUG 2006

\$%^STN;HighlightOn= \*\*\*;HighlightOff=\*\*\* ;

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Welcome to STN International! Enter x:x

LOGINID:sssspat1756mja

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LOGINID/PASSWORD REJECTED

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Enter choice (y/N):  
Do you wish to use the same loginid and password?  
Enter choice (y/N):  
Enter new loginid (or press [Enter] for ssspat1756mja):  
Enter new password:

LOGINID:  
LOGINID:ssspta1756mja

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

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- NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
- NEWS 5 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
- NEWS 6 MAY 11 KOREAPAT updates resume
- NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
- NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2
- NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
- NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC
- NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields
- NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
- NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
- NEWS 14 JUL 14 FSTA enhanced with Japanese patents
- NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
- NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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FULL SEARCH INITIATED 16:10:43 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L7 0 SEA SSS FUL L3

=> s l4 sss full  
FULL SEARCH INITIATED 16:10:49 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L8 0 SEA SSS FUL L4

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 668.20 668.41

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FILE LAST UPDATED: 7 Aug 2006 (20060807/ED)

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=> s l6  
L9 4 L6

=> d all 1-4

L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:1007251 CAPLUS <<LOGINID::20060808>>  
DN 140:50342  
ED Entered STN: 26 Dec 2003  
TI Materials for optical medium copy-protection transiently reacting to a reader beam of optical disk  
IN Selinfreund, Richard H.; Gerber, Scott; Goyette, Donald R.; Colandreo, Michael; Vig, Rakesh; Li, Junzhong; Cook, Ewell; Turner, Tomeko  
PA Verification Technologies, Inc., USA  
SO PCT Int. Appl., 51 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM G11B007-00  
ICS B29D011-00  
CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)  
Section cross-reference(s): 41

FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2003107331	A1	20031224	WO 2003-US11975	20030417
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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2489439	AA	20031224	CA 2003-2489439	20030417
	AU 2003225045	A1	20031231	AU 2003-225045	20030417
	BR 2003011927	A	20050405	BR 2003-11927	20030417
	EP 1532623	A1	20050525	EP 2003-721750	20030417
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	JP 2005530285	T2	20051006	JP 2004-514063	20030417
	CA 2503684	AA	20040408	CA 2003-2503684	20030926
	WO 2004029672	A2	20040408	WO 2003-US30897	20030926
	WO 2004029672	A3	20050127		
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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2003275316	A1	20040419	AU 2003-275316	20030926
	US 2004121262	A1	20040624	US 2003-672052	20030926
	EP 1551817	A2	20050713	EP 2003-759592	20030926
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	CN 1774427	A	20060517	CN 2003-825305	20030926
PRAI	US 2002-389223P	P	20020617		
	US 2002-390647P	P	20020621		
	US 2002-391773P	P	20020625		
	US 2002-391857P	P	20020626		
	US 2002-393397P	P	20020702		
	US 2002-413934P	P	20020926		
	WO 2003-US11975	W	20030417		
	WO 2003-US30897	W	20030926		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2003107331	ICM	G11B007-00
	ICS	B29D011-00
	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
CA 2489439	ECLA	G11B007/007R; G11B007/013D; G11B007/243
	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
AU 2003225045	ECLA	G11B007/007R; G11B007/013D; G11B007/243
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BR 2003011927	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00

		[I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
EP 1532623	ECLA	G11B007/007R; G11B007/013D; G11B007/243
	IPCI	G11B0007-00 [ICM,7]; B29D0011-00 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
JP 2005530285	ECLA	G11B007/007R; G11B007/013D; G11B007/243
	IPCI	G11B0007-24 [ICM,7]; C07D0279-18 [ICS,7]; C07D0279-00 [ICS,7,C*]; G11B0007-005 [ICS,7]; G11B0007-00 [ICS,7,C*]; G11B0007-007 [ICS,7]
	IPCR	B29D0011-00 [I,A]; B29D0011-00 [I,C*]; C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-00 [I,A]; G11B0007-00 [I,C*]; G11B0007-005 [I,A]; G11B0007-007 [I,A]; G11B0007-007 [I,C*]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
	FTERM	4C036/AA02; 4C036/AA07; 4C036/AA08; 5D029/JB47; 5D029/MA04; 5D029/MA18; 5D029/MA31; 5D090/AA01; 5D090/BB02; 5D090/CC18; 5D090/FF09; 5D090/FF49; 5D090/GG34
CA 2503684	IPCI	C07D0279-18 [ICM,7]; C07D0279-00 [ICM,7,C*]; G11B0007-24 [ICS,7]
	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G02B [I,S]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
WO 2004029672	IPCI	C07D0279-18 [ICM,7]; C07D0279-00 [ICM,7,C*]; G11B0007-24 [ICS,7]
	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G02B [I,S]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
AU 2003275316	IPCI	C07D0279-18 [ICM,7]; C07D0279-00 [ICM,7,C*]; G11B0007-24 [ICS,7]
	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G02B [I,S]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
US 2004121262	IPCI	G11B0007-24 [ICM,7]; C07D0279-18 [ICS,7]; C07D0279-00 [ICS,7,C*]
	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
	NCL	430/270.150
EP 1551817	IPCI	C07D0279-18 [ICM,7]; C07D0279-00 [ICM,7,C*]; G11B0007-24 [ICS,7]
	IPCR	C07D0279-00 [I,C*]; C07D0279-18 [I,A]; G02B [I,S]; G11B0007-24 [I,A]; G11B0007-24 [I,C*]
CN 1774427	IPCI	C07D0279-18 [I,A]; C07D0279-00 [I,C*]; G11B0007-24 [I,A]
AB	The invention relates to a method and system for providing copy-protected optical medium using transient optical state change security materials capable of changing optical state and software code to detect such change in optical state. The material protects stored information from copied by a conventional optical medium reader.	
ST	optical copy protection reader disk	
IT	Optical disks (copy-protected; materials for optical medium copy-protection transiently reacting to a reader beam of optical disk)	
IT	Dyes (materials for optical medium copy-protection transiently reacting to a reader beam of optical disk)	
IT	74-88-4, Methyl iodide, reactions 92-84-2, Phenothiazine 124-40-3, Dimethylamine, reactions 539-44-6 563-80-4 7553-56-2, Iodine, reactions RL: RCT (Reactant); RACT (Reactant or reagent) (copy protection dye of materials for optical medium)	
IT	109-77-3P, Malononitrile 261-89-2DP, Phenothiazin-5-ium, tetraiodide salt 3484-22-8P 636602-79-4P ***636602-80-7P*** RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (copy protection dye of materials for optical medium)	
IT	86879-79-0P RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)	



(copy protection dye of materials for optical medium)  
IT 23168-55-0 96692-25-0 144280-08-0 636602-81-8 636602-82-9  
636602-83-0 636602-84-1  
RL: TEM (Technical or engineered material use); USES (Uses)  
(copy protection dye of materials for optical medium)  
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE  
(1) Smith; US 5815484 A 1998

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1996:472605 CAPLUS <<LOGINID::20060808>>  
DN 125:127309  
ED Entered STN: 09 Aug 1996  
TI Nonlinear optical materials and heterocyclic dyes for them  
IN Aramaki, Shinji; Kubo, Yoshiharu  
PA Mitsubishi Chemical Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
IC ICM G02F001-35  
ICS C07D241-46; C07D279-36; C09B057-00  
CC 73-10 (Optical, Electron, and Mass Spectroscopy and Other Related  
Properties)  
Section cross-reference(s): 41

FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
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PI JP 08122836 A2 19960517 JP 1994-253795 19941019  
PRAI JP 1994-253795 19941019

CLASS  
PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES  
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JP 08122836 ICM G02F001-35  
ICS C07D241-46; C07D279-36; C09B057-00  
IPI G02F0001-35 [ICM,6]; C07D0241-46 [ICS,6]; C07D0279-36  
[ICS,6]; C09B0057-00 [ICS,6]

OS MARPAT 125:127309  
GI

/ Structure 1 in file .gra /

AB The dyes comprise heterocyclic compds. described by the general formula I  
[X = S, NR<sub>4</sub>; R<sub>1</sub>-2 = (substituted) alkyl; R<sub>1</sub> and R<sub>2</sub> may bond to form a  
ring; R<sub>3</sub> = H, (substituted) alkoxy, (substituted)  
acylamino,; R<sub>4</sub> = H, alkyl; Q = C(CN)<sub>2</sub>, C(CONH<sub>2</sub>), NCN.]. The materials  
contain the dyes and have structures without inversion symmetry. The dyes  
show high hyperpolarizability.  
ST nonlinear optical material heterocyclic dye  
IT Dyes  
(heterocyclic; nonlinear optical materials contg. heterocyclic dyes)  
IT Optical materials  
(nonlinear, nonlinear optical materials contg. heterocyclic dyes)  
IT 9011-14-7, Poly(methyl methacrylate)  
RL: DEV (Device component use); USES (Uses)  
(nonlinear optical materials contg. heterocyclic dyes)  
IT \*\*\*121262-87-1\*\*\*  
RL: TEM (Technical or engineered material use); USES (Uses)  
(nonlinear optical materials contg. heterocyclic dyes)

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1990:189089 CAPLUS <<LOGINID::20060808>>  
DN 112:189089  
ED Entered STN: 12 May 1990  
TI Napthoquinonmethide derivatives for optical recording materials  
IN Kubo, Yuji; Yoshida, Katsuhei  
PA Japan  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DT Patent

LA Japanese  
IC ICM C07D279-36  
ICS B41M005-26  
CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other  
Reprographic Processes)  
Section cross-reference(s): 28

FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
-----  
PI JP 01228976 A2 19890912 JP 1988-53766 19880309  
PRAI JP 1988-53766 19880309 .

CLASS  
PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES  
-----  
JP 01228976 ICM C07D279-36  
ICS B41M005-26  
IPCI C07D0279-36 [ICM,4]; C07D0279-00 [ICM,4,C\*];  
B41M0005-26 [ICS,4]

GI

/ Structure 2 in file .gra /

AB The title deriv. is I [R1, R2 = lower alkyl]. The deriv. is useful in  
optical recording media. The deriv. shows 600-700 nm absorption.  
ST naphthoquinonmethide deriv optical recording material  
IT Recording materials  
(optical, naphthoquinonmethide deriv. as)  
IT \*\*\*126656-07-3\*\*\* \*\*\*126656-08-4\*\*\* \*\*\*126656-09-5\*\*\*  
\*\*\*126656-10-8\*\*\* \*\*\*126656-11-9\*\*\* \*\*\*126656-12-0\*\*\*  
\*\*\*126656-13-1\*\*\* \*\*\*126656-14-2\*\*\* \*\*\*126656-15-3\*\*\*  
\*\*\*126656-16-4\*\*\* \*\*\*126656-17-5\*\*\*  
RL: USES (Uses)  
(optical recording material)  
IT \*\*\*121262-87-1P\*\*\* \*\*\*126656-04-0P\*\*\*  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and use of, as optical recording material)  
IT 5518-09-2 126656-05-1 126656-06-2  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, naphthoquinonmethide optical recording material from)

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1989:424940 CAPLUS <<LOGINID::20060808>>  
DN 111:24940  
ED Entered STN: 21 Jul 1989  
TI Synthesis of 3-dicyanomethylene-7-diethylaminobenzo[a]phenothiazone  
AU Kubo, Yuji; Kuwana, Minoru; Yoshida, Katsuhira  
CS Fac. Sci., Kochi Univ., Kochi, 780, Japan  
SO Chemistry Express (1988), 3(11), 663-6  
CODEN: CHEXEU; ISSN: 0911-9566  
DT Journal  
LA English  
CC 41-5 (Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic  
Sensitizers)  
GI

/ Structure 3 in file .gra /

AB The deep colored title compd. I, which has an absorption max. at 659 nm  
(.epsilon.max = 61300 mol-1dm3cm-1) in CHCl3 was prepd. by condensing  
1-naphthylmalononitrile with 2-amino-5-diethylaminophenylthiosulfuric  
acid.  
ST UV dicyanomethylenediethylaminobenzophenothiazone; benzophenothiazone  
dicyanomethylene diethylamino UV; condensation naphthylmalononitrile  
aminodiethylaminophenylthiosulfuric acid  
IT Dyes, cyanine  
((dicyanomethylene) (diethylamino)benzophenothiazone, prepn. and UV

spectrum of)  
 IT Ultraviolet and visible spectra  
 (of (dicyanomethylene)diethylaminobenzophenothiazone)  
 IT 116429-26-6  
 RL: PRP (Properties)  
 (UV spectrum of)  
 IT 5518-09-2, 2-(1-Naphthyl)malononitrile  
 RL: USES (Uses)  
 (condensation of, with amino(diethylamino)phenylthiosulfuric acid)  
 IT 93739-14-1, 2-Amino-5-diethylaminophenylthiosulfuric acid  
 RL: USES (Uses)  
 (oxidative condensation of, with naphthylmalononitrile)  
 IT \*\*\*121262-87-1P\*\*\*  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and UV spectrum of)

=> d his

(FILE 'HOME' ENTERED AT 16:08:05 ON 08 AUG 2006)

FILE 'REGISTRY' ENTERED AT 16:08:14 ON 08 AUG 2006

L1 STRUCTURE UPLOADED  
 L2 STRUCTURE UPLOADED  
 L3 STRUCTURE UPLOADED  
 L4 STRUCTURE UPLOADED  
 L5 0 S L1 SSS FULL  
 L6 14 S L2 SSS FULL  
 L7 0 S L3 SSS FULL  
 L8 0 S L4 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:11:14 ON 08 AUG 2006

L9 4 S L6

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	12.74	681.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.00	-3.00

STN INTERNATIONAL LOGOFF AT 16:11:47 ON 08 AUG 2006